

Owner's Manual

OPTIMA AIR

NAI-5

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January

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WARNINGI-IMPORTANT SAFETY INSTRUCTIONS BEFORE CONNECTING, READ INSTRUCTIONS

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Follow all instructions and heed all warnings KEEP THESE INSTRUCTIONS!

NUX Optima Air is a dual-switch acoustic quitar simulator with a preamp for acoustic and electric quitar players. It simulates the acoustic quitar profiles with the bestoptimized sound depending on your quitar and pickup type.

IR loader combined with a preamp which is equipped with 3-band EQ and Gain controls.

And there is an additional one-knob-control Reverb effect. If you want to connect any effect pedal you can use the SEND/RETURN effects loco and add the Optima Air Into your pedal chain.

NUX Optima Air has a unique profile capture function, you can create your own acoustic quitar profile and create your own IR file by capturing your favorite acoustic quitar's sound.

There is an XLR DI output for direct line/mixer connection, headphones output for allent play and auxiliary input to connect a music player to play along.

Features

- +24-bit, 48-kHz Sampling quality
- Dual-switch impulse Response and Pre-Amp controls
- •15 built-in acoustic guitar profiles with IR level control.
- +9 Preset Slots
- Reverb offect.
- . Gain, Bass, Middle and Treble controls
- +6.35mm (1/4-inch) Mone jack input, and output
- ◆6.35mm (1/4-inch) Send/Return, effects loop

- +3.5mm (1/8-mch) Augstany Input.
- 3.5mm (1/8-Inch) Headphones Input
- *XS R DI DUIL
- · Micro R USR Port
- *9V Negative Tip Power Input @-G-G





Reverb Knob

One Knob Reverb effect control, it adjusts the Dry/Wet and Decay parameters. Or you can turn it OFF by tweaking to 0.

IR Level Knob

Adjusts the simulated signal (Impulse Response file) LEVEL,

Black & White digital screen

Select (Push to Save) Knob

In manual mode; you can choose the IR file. And you can save your customized preset by pushing the knob. (See: Editing a Preset)

Gain Knob

Adjusts the signal input Gain level.

3-Band EQ Knob

Basa Knob	Adjusts the low frequency level
Middle Knob	Adjusts the middle frequency level
Treble Knob	Adjusts the high frequency

Green IR LED

It shows the ON/OFF status.

Red AMP LED

It shows the ON/OFF status.

IR Footswitch

Manual Mede: Engage/disengage the selected |R file. Acoustic guitar simulation ON/OFF, Preset Mede: Bank DOWN.

Also; if you are editing a preset, you can push the IR footswitch to exit without saving. (Sec: Editine a Preset)

JMP Footswitch

Manual Mode: Activates the pre-amp section. When you engage the AMP, you can use the Salis and the 3-band EQ.

Presel Mode: Bank UP.

Also; If you are editing a preset, while you changing the preset name you can push the AMP footswitch and move the cursor to the next selection area to choose a letter, number or symbol (See: Editing a Preset)

Push the IR and AMP lostswitches together to switch the pedal mode to MANUAL or PRESET mode.

input lack

6.35mm (1/4-inch) lack input.

Output Jack 6,35mm (1/4-inch) jack output.

Control panel

Send/Return Jack

6.35mm (1/4-inch) affects loop inputs.

Power Input

9V Negative TIP power adapter input. (9V⊕-(e--©)

Micro B USB Port

You can connect the pedal to your computer to use the Optima Air software to create, edit and save your presets. And update the pedal when a new firmware released. Visit nuxefx.com for the details.

3.5mm (1/8-inch) Auxiliary input Jack

You can connect music player to play along with music.

3.5mm (1/8-inch) Headphones Output Jack For silent practicing or recording.

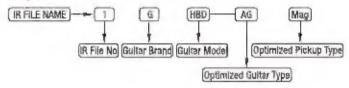
XLR DI Output Jack

For direct connection to mixer (or PA system).

Optima Air Impulse Response (IR) Function

Optima Air is loaded with 15 impulse response files. Each impulse response file optimized for the guitar type and the pickup type. The IR file names are included the guitar profile, optimized guitar type, and the pickup type. Press the IR footswitch to activate/deactivate the IR function.

For Example:



Impulse Response Files List

in No	Brand	Model	Optimized Boitar Type	Optimized Pickup Type
ī	Gibson	Humming Bird	Acoustic	Magnetic
2	Gabson	Humming Bird	Electric	Magnetic
3	Gibson	Humming Bird	Acoustic or Electric	Piezo
4	Gibson	J15	Acoustic	Magnetic
5	G-bson	J15	Electric	Magnetic
6	Gibson	J15	Acoustic or Electric	Piezo
7	Martin	D45	Acoustic	Magnetic
8	Martin	D45	Electric	Magnetic
9	Martin	D45	Acoustic or Electric	Piezo
10	Martin	HD28	Acoustic or Electric	P:ezo
11	Taylor	814	Acoustic or Electric	P:ezo
12	Gabson	J200	Electric	Magnetic
13	Gibson	J45	Electric	Magnetic
14	Martin	HD28	Electric	Magnetic
15	Taylor	314	Electric	Magnetic

Optima Air Pre-Amp

NUX Optima Air equipped with a pre-amp that allows you to enhance your sound by using the 3-band equalizer. And you can adjust the input gain control to increase/decrease your guitar signal's gain. Press the AMP footswitch to activate/deactivate the pre-amp function.

Manual Mode / Preset Mode

Press (R and AMP toetswitches at the same time to change the pedal mode. You will see the IR file name on the screen in manual mode, and the preset name in preset mode.

In manual mode; you can edjust everything manually, and use the IR and AMP footswitches the engage the function. If you want to keep your tone, you can store as a preset. You can create and save 9 presets and recall with BANK UP (AMP) and BANK DOWN (IR) footswitches.

Creating/Editing a Preset

In manual mode or preset mode, when you adjust any of the parameters you can save it by pushing the Select knob,



If you make any changes on the preset during the preset mode, the asterisk symbol will appear on the screen.

After you set your tone, push the select knob to choose a bank and write the preset's name.

i My_mve

fieldly tone

When you push the Select knob, you will see the presel name on the screen, turn the Select knob to choose a bank first. Then push the MMP footswitch and move the cursor to the next selection area and choose a letter, number or symbol and write the preset name. If you want to got without saying, push the IR footswitch.

Capturing a Guitar Profile

Run the pedal in capturing mode; press the IR footswitch and hold, plug in the power cable.

You need to use a condenser microphone for better result, Connect the acoustic guitar to the Optima Air's input, place the microphone and connect to a microphone to a microphone preamp. And connect the microphone preamp's output to the Optima Air's Return (Please check the picture).

Make sure everything's connected, and you are all set to capture.



You can see the input level and the return level on the pedal screen, make sure the levels are not reaching to the MAX (Peak) level, or too low to capture it. Usually, 60% to 80% is the best level for capturing.

You can press the IR footswitch when you are ready, it will countdown from 3 to 1 then you could start to play guitar to send the audio signal to Optima Air to capture and process. Just play as clean as you can, and use finger position or chords you are playing most of the time. Capturing record will take 10 seconds, you can also see it on the screen, the RED AMP LED will start blinking when the recording is done. You can press the AMP footswitch to save, or you can press the IR button to restart the capturing.

- -Sampling rate: 48kHz
- -A/D Converter:24Bit
- -Signai Processing:32Bit
- -Frequency Response: 20Hz~20kHz- ± 1dB
- -THO+N: -120dBu(A-Weighting)
- -Dynamic Range:120dBu
- -Current Draw: <200mA
- -Maximum input level:+7dBu(1.6VRMS)
- -Maximum output level: +7dBu
- -Power;9V DC(Negative tip_Optional ACD-006A adapter)
- -Dimensions:105(L)X115(W)X58(H)mm
- -Weight:420g

Accessories: User manual

"Specifications and features are subject to change without notice.

CE mark for European Harmonized Standards

CE Mark which is ottached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) E8 51000-6-3 2007-A1/2011 & E8 51000-6-1 2007 Under the Council Directive 2004/198/EC on Electromagnetic Compatibility.

